

METHOD AND APPARATUS TO FACILITATE SUSPENDING THREADS IN A PLATFORM- INDEPENDENT VIRTUAL MACHINE

ABSTRACT

One embodiment of the present invention provides a system that facilitates suspending threads in a platform-independent virtual machine implemented on an operating system that lacks a global mechanism for suspending threads. The system operates when the platform-independent virtual machine executes a thread requiring other threads to be suspended. The system first changes the scheduling policy for the thread, and then raises the priority of the thread to the highest available priority. Changing the scheduling policy and raising the priority of the thread causes the thread to run to completion while other threads do not run.